

VOICE CALL ALTERNATIVE ROUTING
THROUGH PSTN AND INTERNET NETWORKS

Abstract of the Disclosure

The advanced intelligent network (AIN) to determine routing of voice calls alternatively between the public switched telephone network (PSTN) and a data packet network, such as the Internet, in accordance with the quality of service existing in the data packet network at the times of call origination. The user's acceptable level of service may be predefined with a threshold quality level stored in the user's Call Processing Record (CPR) in the AIN Integrated Services Control Point (ISCP). On a per call basis, the caller linked to a first public switched network may indicate a preference to route through the Internet. This indication is recognized by the AIN system, in response to which the quality of service currently present on the Internet for completion of the call is measured. If the result exceeds the stored threshold, the call is setup and routed through the Internet to the switched network link to the destination party. If the quality of service on the Internet is not satisfactory, the call is alternatively routed through the PSTN, which may include an Interexchange Carrier link. The AIN system automatically controls the alternative routing of such calls.

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